



Y-12 BULLETIN

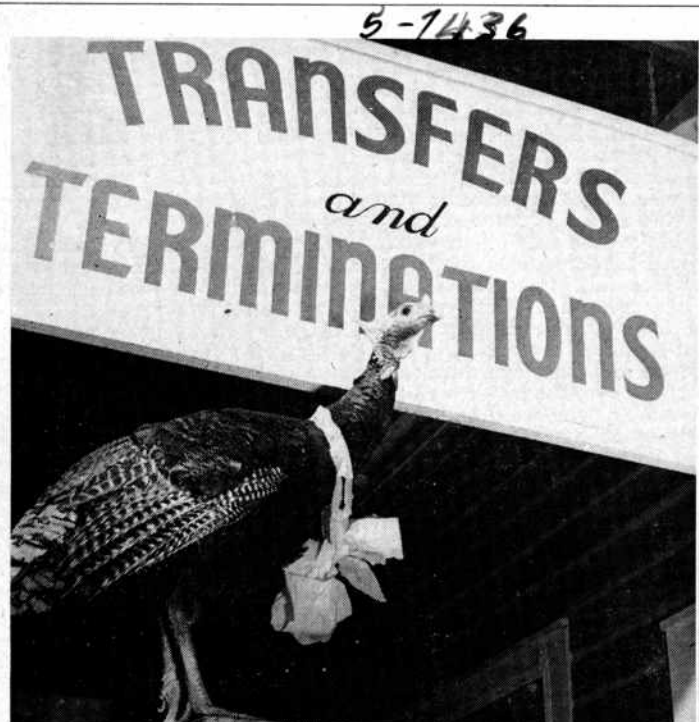
A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



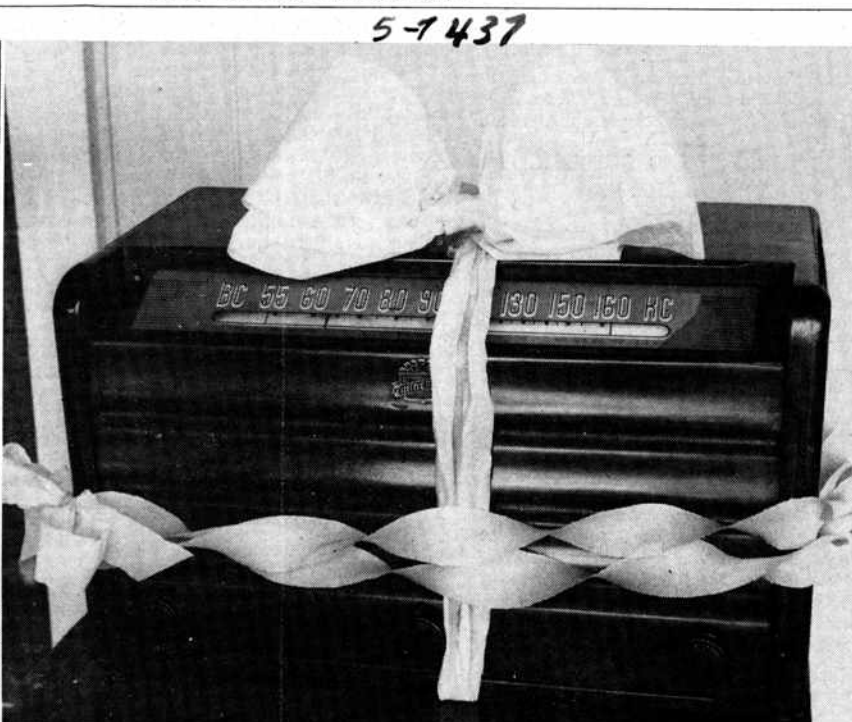
Vol. 1, No. 31

OAK RIDGE, TENNESSEE

Tuesday, December 2, 1947



"GOBBLEDEGOOK," GOBBLES UNCLE TOM, THE TURK, as he poses before an appropriate sign while awaiting transfer of ownership to some lucky Y-12 employee at the Christmas Dance-Party Friday night, December 12, at the Jefferson Recreation Hall. There is little doubt that Uncle Tom definitely will be ter-



minated shortly thereafter to provide the piece de resistance at some lucky person's Christmas feast. At the right is the handsome table model radio that also will be awarded as a prize during the dance-party.

Security Program Aimed At Unfriendly

Y-12 security measures are designed to combat methods commonly employed by unfriendly or competitor nations in their efforts to obtain information pertaining to the defense or security of the nation or to hinder the operations or destroy the production of materials vital to such defense and security.

One of the means employed by such nations is espionage. Recorded in Early History

From earliest recorded history all nations have attempted to obtain information regarding defense measures of other nations as well as their means and methods of aggression. The purpose of this was to eliminate surprise in the use of particularly destructive weapons or to devise an adequate defense against such attacks. Another objective, of course, was to endeavor to duplicate or improve on such materials of war.

The best-kept secret of World War II (American manufacture of the atomic bomb, was released with the announcement of the bombing of Hiroshima. However, information on particulars of the bomb, details of engineering "know-how" developed to achieve production of necessary materials, the rate of production of materials and other important information never has been revealed.

Must Guard Industrial Plans

It is further desired by this nation that any information on development of atomic energy for industrial application that might

(Continued on Page 3)

Ideas Of Three Employees Adopted

Suggestions by three more Y-12 employees have been accepted by the Company for improvement of operations. The proponents, departments and suggestion numbers are S. E. Patty, B12H, 61525; N. K. Smelcher, A12W, 62155; and W. E. Stephens, B12H, 62227.

Originators of unsigned Suggestions Nos. 60115, 61209 and 62389 are requested to report at the Suggestion Office, North Portal, to establish eligibility to receive awards.

Tickets Now On Sale For Y-12 Dance-Party Set For December 12

Tickets for the big Y-12 Christmas Dance-Party now are on sale and advance interest in the shindig indicates that the Jefferson Recreation Hall will be filled to capacity by Y-12 employees and members of their families from 9 p.m. to 1 a.m. Friday, December 12, to partake of the four hours of uninterrupted fun to be offered.

The tickets may be obtained from the Recreation Office, North Portal, and from designated employees in every department in the plant. They sell for \$1 per person, including all taxes. In addition to providing admission, each ticket holder will have a stub which entitles them to a chance on several valuable prizes to be awarded during the affair.

Turkey, Radio Among Prizes

Two of the fine prizes already have been obtained by the Recreation Office. They are a fine young tom turkey which weighed in at 20 pounds last week when purchased and an attractive table model radio. Other suitable prizes are being procured for the occasion.

There undoubtedly will be lots of "ohs" and "ahs" when the guests arrive for the party a week from this coming Friday night. Plans now are underway to have the hall tastily decorated in accordance with the season. In fact, nothing will be left undone to make the affair one of the finest of the fine Y-12 dance-parties ever staged.

Entertainment For All

The entertainment scheduled will provide fun for all — dancers and non-dancers alike. Bill Dexter's orchestra from Knoxville will provide music for the dancing while a wide variety of games and contests will offer diversion for those guests who do not dance.

Some of the popular games and contests presented at past Y-12 dance-parties will again be presented — and a number of new features will be introduced. Among these features will be the popular Christmas Carol group singing leading and the Truth and Consequence program.

A cordial invitation has been extended to Carbide employees at K-25 to attend the Y-12 party. In turn, the K-25 folks in announcing a Christmas Dance to be given Friday night, December 19, at Grove Recreation Hall, have invited Y-12 employees to be present. Music for this party will be provided by Bob-By Byrne's orchestra.

CORRESPONDENTS ASKED TO GIVE ADDRESSES

All reporters and correspondents of The Y-12 Bulletin are requested to put their return addresses on all matter sent to the paper through the mail. This will enable The Bulletin staff to communicate with the senders if additional information is desired on any matter sent in by mail.

If any department or group in Y-12 not represented by a reporter for The Bulletin—get busy and appoint someone to report your activities.

Thanksgiving Dinner Draws Crowds To Y-12 Cafeteria

A festival spirit prevailed last Wednesday at the Y-12 Cafeteria when a host of employees, forming into small dinner parties, had occasion to give "thanks" to Cafeteria Supt. George McNamee and Co. for the big, special bargain-bill Thanksgiving turkey dinner with all the trimmings.

How well patronized was the Y-12 Thanksgiving dinner is shown by the 645 portions of turkey and dressing served. Other interesting figures released by McNamee show 624 cuts of assorted pies served, 40 cuts of cake, 25 dozen hot rolls, 30 dozen hot biscuits and 14 dozen pans of hot cornbread.

McNamee, in summing up the last Wednesday carnage at the Y-12 cafeteria, says it pays to advertise in The Bulletin, and added that the chefs would have to use razor blades to salvage anything off the 16 turkey carcasses. Another interesting thing was that the bakery department was kept busy during serving hours turning out pies so the customers could get them "hot".

Plant Attendance Record Is Improved

Plant attendance again showed improvement during the week ending November 23, when only 3.1 per cent of Y-12 employees were absent from work. This was a decrease in absenteeism of 0.1 per cent from the previous week.

Leaders Closely Bunched

Leading departments in both the major and minor leagues were closely bunched in the standings for the week ending November 23. The three leading departments in the major league all had less than one per cent of their personnel absent while in the minor league three departments reported perfect attendance records for the week and the next four had less than two per cent of their employees off the job.

Dept. A12T, Garage Repair Shop, had a perfect attendance record in the minor league for the second straight week. Dept. A15N, Experimental Process Equipment Maintenance, in second place the previous week, also turned in a perfect mark as did Dept. B12L, Superintendents, which was in fifth place the preceding week. In second place was Dept. A12D, Dispensary, with an absentee mark of 1.2 per cent, and which jumped up from third place held the preceding week. Third place was taken over by another new group, Dept. A13S, in the Materials Division, which reported only 1.3 per cent of its personnel absent.

Newcomers Rise To Top

Two newcomers to the list of leaders took over the top ranking positions in the major league. Tied for first place were Dept. B12L, Assay Laboratory; and Dept. M12- (Continued on Page 3)

New Maintenance Phone Is Listed

Y-12 employees are advised that if anything goes wrong with facilities in the homes, the new number 5-1361 is the one to call, according to the Roane-Anderson Co. which took over the operation of all dwelling units on December 2 with the exception of dormitories.

Converted dormitories, however, are included in the Roane-Anderson maintenance program.

Camera Club Sets Election December 9

The Carbide Camera Club, composed of photographic enthusiasts from both the Y-12 and K-25 plants of Carbide and Carbon Chemicals Corp., will hold its annual election of officers at the next meeting of the group, scheduled for 7:30 o'clock Tuesday night, December 9, in club headquarters, Y-12 East Portal building.

Gilbert Mellen, of Y-12 now president of the club. Of the two club vice presidencies, one for Y-12 and one for K-25, only one is filled at present. The incumbent is N. K. Bernander, of Y-12. Paul Vanstrum, of K-25, is secretary-treasurer of the club.

Film Firm To Give Program

In addition to the election of officers, the Camera Club members will be entertained with a program on photographic papers and toning, illustrated with exhibits. The program will be presented by the Anco Film Co.

Last Tuesday night the club saw a demonstration of oil paint tinting of photographs. The demonstration was presented by Mrs. R. L. Knight who used portrait photographs taken by her husband, a Y-12 employee and Camera Club member, as subjects of her work.

New Equipment Is Received

The Camera Club recently has received considerable new equipment which has been installed in the club headquarters for the use of all club members. The equipment includes a contact printer, large electric print drier and a wall screen for projection of moving pictures or slides.

The standing of club members in the various contests held during the year is expected to be announced at the December 9 meeting. Winners of first, second and third places in the different contests are awarded points for their standing and a compilation of records now is being made. The member with the largest number of points for the year will receive a prize.

Open Council Meeting Will Discuss Hospital

A discussion of activities at the Oak Ridge Hospital will be held at the open meeting of the Oak Ridge City Council at 8 o'clock next Monday night at the high school auditorium, it has been announced by C. A. Cooper, of Y-12, chairman of the city body. The program for the meeting is being arranged by Councilman T. W. Rodes, of K-25.

The program calls for short talks by hospital and Atomic Energy Commission authorities describing the hospital work. Following these talks, the meeting will be opened for general discussion of the topic by Oak Ridge residents attending the meeting.

Chairman Cooper urges all Y-12 residents of Oak Ridge to attend and participate in the council session, pointing out that the council is seeking opinion of the general public on matters of town interest.

The open meetings of the council are to be held on the second Monday night of each month at 8 o'clock at the high school auditorium.

LONG RECORD BROKEN

One of the finest traffic safety records in the nation was established by Columbia, Tenn., seat of Maury County, which recently had its first traffic fatality in more than 10 years.

Y-12 Bulletin

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Bruce Whitaker, Dept. A12M, is on a one-week vacation, but is still keeping up his bowling assignments.

Jodie Brown, of Dispensary, returned Tuesday from a one-week vacation.

Marlee Epting, Dept. A16N, was a spectator at the Clemson and Auburn football game in South Carolina recently.

Henry E. Smith, a former employee, visited Dottie Jones, Dept., recently and during the Thanksgiving Holiday flew to Roanoke, Va., and saw the V.M.I. vs V.P.I. football game. . . . Jay Stevens returned Monday after vacationing in La-Follette. During this time he made some fishing trips to Norris Dam. . . . The football game between Boston and U. T. was seen by Mary Mitchell and her escort, Clyde Taylor, who was visiting over the week end from Bakersville, Ky.

Katherine Jenkins and D. A. Karaker, Dept. A12S have returned from one-week vacations. . . . Dept. A12S is happy to report B. B. Thornton, Chemical Stores Supervisor, has recovered from his operation and is back on the job.

Alice and Ross Jamison have returned from a trip to Atlanta, Ga., instead of Rossville, as was previously stated in The Bulletin.

Assistant Guard Dept. Chief Wynn O. Watson, Dept. A12G, is spending a quiet vacation in Oak Ridge. . . . Paul Gibson and family are vacationing in Alabama. . . . Others vacationing in Dept. A12G include: Claude S. Waldrop, Samuel Dunlap, John G. Bruck, Walter E. Bruce and J. M. Patterson.

Fire Chief J. W. Hughey, Dept. A14J, is vacationing at his home in Memphis, Tenn. . . . Fire Dept. Capt. Winfred O. Elam is vacationing in Illinois and Alabama.

Evans Means went fishing recently but didn't have much luck. He caught only one bass and two blue gills.

George Tucker, Dept. A12N, is on a one-week vacation. . . . W. L. Morgan and family enjoyed a vacation in Pennsylvania. . . . 'Bob Morris and his bride, the former 'Polly' Parks, are honeymooning up North.

Thelma Wise, Dept. B12C, returned Monday from a vacation spent at her home in Knoxville. . . . Bertha Winkles has returned from a vacation spent at Greeneville, Tenn.

Dept. A15N extends sympathy to Alice Bullard, whose father died recently in Cleveland, Tenn. . . . Dept. A15N also extends a welcome to H. B. Craft.

Dr. C. P. Keim, Superintendent of the Y-12 Pilot Plant, is putting in some vacation time at his Oak Ridge home.

Howard P. Doyle, Dept. A12J, and Mrs. Doyle spent the Thanksgiving holidays with her folks in Greenville, S. C.

Ed Mann, Dept. H12E, selected a chilly time of year to spend a vacation at points in Iowa.

During a recent long weekend Grace Boyd and Verra Rogers, Dept. B12H, visited in Dayton, O. Margaret Haston, Dept. B12H, has returned to work after attending the wedding of her brother, Robert L. Haston, at McMinnville, Tenn., November 26.

DEER TRAFFIC HAZARD

Deer have become so numerous in the Missouri River lowlands in North Dakota that herds often block highways and provide a distinct traffic hazard, according to recent news dispatches.

Possession Of Gold-Headed Cane Marked Progress Of Medical Science In Britain During 17th Century

This interesting story is about the history of the Gold-Headed Cane, carried by leading physicians of England in the 17th Century and handed down from one to another as a tribute to the recipient's progress in medical science. This historical article by Dr. Paul Scofield, Medical Director of Y-12, was published in the Ohio State Medical Journal in September, 1930.

By DR. PAUL D. SCOFIELD
MD., Litt. B.

"Physic of old, her entry made,
Beneath th' immense full-bottom's shade;
While the gilt cane, with solemn pride
To each sagacious nose apply'd
Seemed but a necessary prop
To bear the weight of wig at top."

This verse refers to the typical physician of the 17th Century with his silk coat, breeches and stockings, buckled shoes, lace ruffles, full-bottomed wig, and his gold-headed cane. Such a cane, in those days, was carried by physicians for a two-fold purpose. It was symbolic of the wand of Aesculapius for one, but was used for a more practical purpose as the knob on the top contained a vinaigrette which was held to the nose to ward off noxious vapors of the sick room.

From this promiscuous cane carrying habit emerged the one Gold Headed Cane that has taken its place in English medical history. This cane was borne shortly after the accession of William and Mary in 1689, and Dr. Scofield its active life extended over a period of 130 years. It was a malacca with a long metal ferrule, and a gold handle shaped like a crutch bearing the coat-of-arms of Radcliffe, Mead, Askew, Pitcairn, and Baillie.

While not having its conception as an honor to be bestowed upon the most worthy physician of London, the cane acquired this sentiment as it passed through the successive hands of six famous physicians, the first of whom was Radcliffe.

Radcliffe

The gold headed cane is first introduced to us in the autumn of 1689, at which time it was carried by Dr. Radcliffe on a professional visit to King William III. The king was suffering from asthma and the doctor advised him that "that rheum is dripping on your lungs and will be of fatal consequence to you unless it be otherwise diverted." Radcliffe was successful in this royal case by prescribing medicines that promoted the flow of saliva, and the king was so fully recovered that several months later fought in the Battle of the Boyne.

Another prescription of interest is one that Dr. Radcliffe used in treating a case of quinsy. Having found that no internal or external application had been of service he ordered his own servants to secure a hasty pudding, and gave them private instructions concerning it. The pudding was brought and placed in full view of the patient.

"Come Jack and Dick," said Radcliffe, "eat as quickly as possible, you have had no breakfast this morning." Both began to eat but on Jack's dipping once only for Dick's twice a quarrel arose and they began to pelt each other with handfuls of the hot pudding. At this the patient was seized with a hearty fit of laughter and the quinsy burst and discharged its contents.

Although acting as one of the court physicians he was not called on to see King William in his last illness due to a slight indiscretion. For on one of his visits to the court, Radcliffe, upon seeing the

king's dropsical ankles, exclaimed: "I would not have Your Majesty's two legs for Your Majesty's three kingdoms." He did not entirely lose royal favor, however, for Queen Anne sent for him when she was dying. He was unable to respond, being confined to his bed with gout. The queen died soon afterwards and the enemies of Radcliffe attributed her death to his absence. He became so unpopular as a result of this false accusation that he was forced to retire to the country where he died, three months after the queen, in November, 1714.

Mead

Shortly before Radcliffe's death he presented the gold-headed cane to Dr. Mead, an accomplished scholar. The cane, however, speaks little of Mead's life but rather of the men with whom he associated, Dr. Cheyne, and Sir Hans Sloan. The latter's treatment of pleurisy was rather unique. "I ordered him to be bled in the arm to about 10 ounces, and gave him an emulsion and a pectoral decoction of barley, liquorish and raisins. I immediately found him much better and ordered him to continue this, and to take crabs' eyes and sol prunellae, of each half a drachm, and to swallow morning and evening the half on't, drinking afterwards a pectoral draught, and in cases of relapse I ordered him to be bled again."

The cane then describes the introduction of smallpox vaccination into England by Lady Mary Montague, who had allowed her son to be vaccinated while in the East. On returning to England she interested Caroline, Princess of Wales, whose daughter had almost died from smallpox, in vaccination and through her reached the king. His Majesty, George I, pardoned six felons on condition that they would submit to the experiment. The inoculation was successful and they escaped the hangman's noose. Dr. Mead obtained another criminal and successfully vaccinated her by

the Chinese method — which was the introduction of skins to dried pustules with a grain of muck into the nostrils. To Dr. Mead is attributed the credit of having introduced the method of purgation in the secondary fever of smallpox.

Mead records the first use of quinine, which occurred in Peru. Some cinchona trees were thrown into a pool of water and remained there so long the water became bitter and the natives refused to drink it. However, one of the natives was seized with a violent fever and being unable to find any other water was forced to drink from the pool, after which his fever left him. Pope, who was then the popular poet of the day, echoed the sentiment of London in that "I'll try what Mead and Cheslden advises." It was these two, the latter a skilled lithotomist, who were called to the bedside of Sir Isaac Newton, who was suffering from a stone in the bladder. They were unable to aid the distinguished scientist, however, and he died March 20, 1726. It was Mead who persuaded Guy, a wealthy citizen of London, to give his immense fortune to the building of that hospital which bears his name. It was Mead also who attended Queen Anne and tactfully predicted her fast approaching death, thus avoiding a political furor that was brewing at the time. Dr. Mead died February 16, 1754, at the age of 81. It was said of him, that of all physicians he gained the most, spent the most, and enjoyed the highest fame during his lifetime.

Askew

There is no mention of the gold-headed cane in Mead's will but it was probably a gift to his friend Dr. Askew. Whether this change of owners was unfavorable to the cane I do not know, but nevertheless Dr. Askew is almost ignored in the autobiography. Instead much space is given Dr. Heberden, who appears to have been a much better physician than Askew. Dr. As-

low practically spent his lifetime in collecting rare volumes, first editions, and priceless manuscripts. He contributed nothing to medical literature.

William Pitcairn

The autobiography states that the cane was left to William Pitcairn by his good friend, Dr. Askew. Pitcairn studied at Leyden in 1734 and was graduated M.D. at Rheims, later becoming private tutor to the Duke of Hamilton. He afterward affiliated with St. Bartholomew's Hospital, one of the wards of which still bears his name, and it was there he shocked the medical world by advocating a freer use of opium in fevers.

He was elected president of the College of Physicians in 1775 and four years later became treasurer of St. Bartholomew's Hospital. He resigned as president of the College in 1784 and spent the remaining seven years of his life in cultivating a botanical garden at his home.

David Pitcairn

On the death of William Pitcairn, in 1791, the cane was bequeathed to his nephew, Dr. David Pitcairn, who took his doctor's degree at Cambridge and had been elected physician to St. Bartholomew's Hospital. His treatment of tuberculosis differed little from that of the present, for after visiting a lady, ill from tuberculosis, left a prescription for infusion of roses and mineral acid. On being rebuked for such inert treatment he replied: "The last thing a physician learns, in the course of his experience, is to know when to do nothing, but quietly to wait, and allow nature and time to have fair play in checking the progress of disease and gradually restoring the strength and health of the patient."

Pitcairn was forced to give up his profession, in 1798, because "of a spitting of blood." But after a stay of 18 months in Portugal was much improved and returned to London. Eleven years later he fell a victim of a disease, hitherto unobserved by medical men, and in his dying moments wrote out his symptoms. "The mouth of the larynx is so much narrowed, that the vital functions are actually extinguished by the stricture." He died of inflammation of the larynx on April 17, 1809.

Baillie

Thus the gold-headed cane passed into the hands of its last master, Dr. Baillie, nephew of John and William Hunter. Following the example of his learned uncles Dr. Baillie, taught anatomy for 20 years, and he dedicated his work on Morbid Anatomy to David Pitcairn. It was a maxim of his that the most successful treatment of patients depended upon the exertion of good common sense, guided by competent professional knowledge. "It is very seldom," he used to say, "that diseases are found pure and unmixed, as they are commonly described by authors; and there is almost an endless variety of constitutions. The treatment must be adapted to this mixture and variety—" Perhaps this trait of common sense, combined with a certain amount of irritation, is the source of the following anecdote:

After listening, with torture, to a long account of fictitious ills from a lady who was going to the opera that evening, he happily escaped from the room. He was summoned back, however, by this neuresthenic female and asked whether or not, on her return from the opera, she might eat some oysters. "Yes ma'am," said Baillie, "shells and all."

Thus ended the active life of the gold-headed cane as it was presented to the New College of Physicians by Dr. Baillie's widow. Having served its purpose well it was retired to the relative obscurity of the London museum in June of 1825.

Rookies in the Army soon learned their lessons the hard way. Finally they formulated a three point rule: 1. if it moves, salute it. 2. If it doesn't move, pick it up. 3. If it's too big to pick up, paint it.



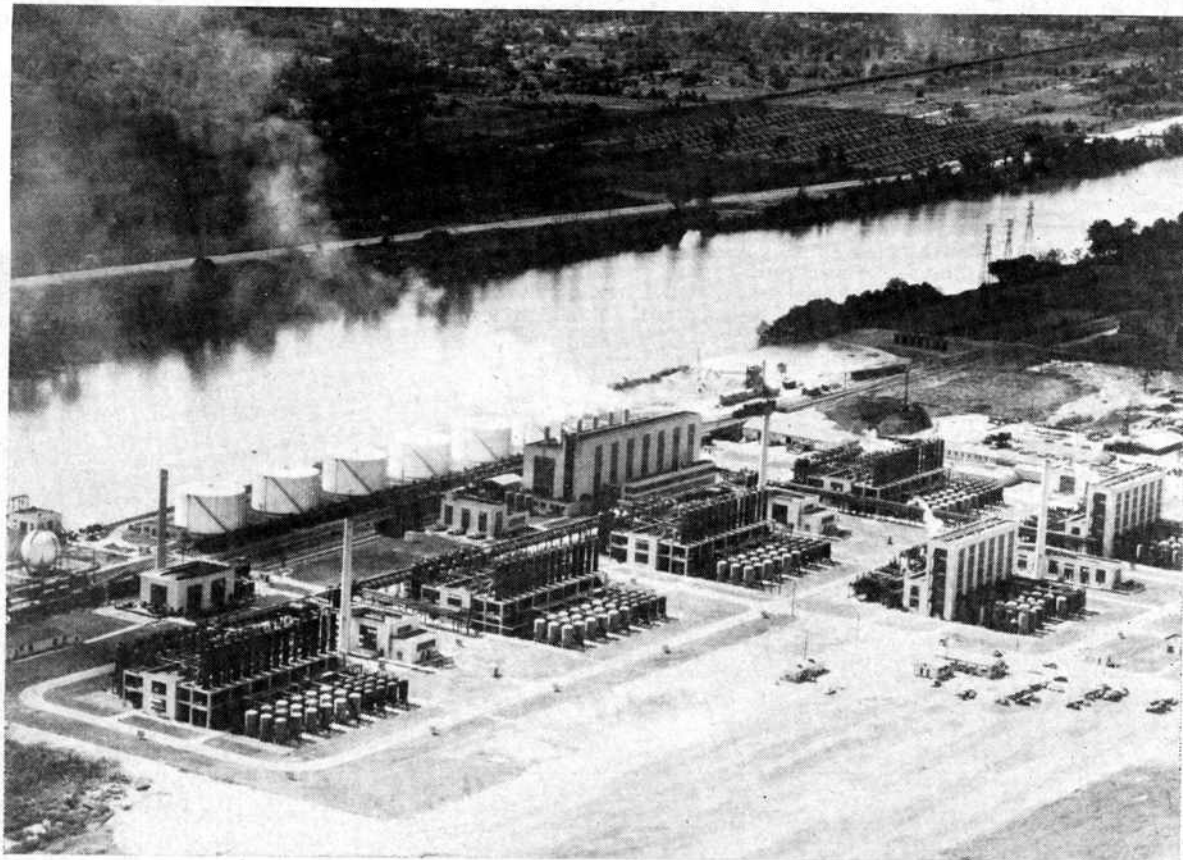
PICTURES OF TWO Y-12 EMPLOYEES appeared prominently in an art layout used to illustrate an article in a recent issue of Foreign Service, monthly magazine of the Veterans of Foreign Wars. The layout, shown in part above, was used in connection with an interesting description of the security measures utilized by the Manhattan District to keep the secret of the atomic bomb. The two Y-12 men are shown at the upper left. They are Guard Millard N. Wilkerson, shown at a portal inspecting the badge of Electrician J. D. Robinson.

Hospital List

The following Y-12 employees were patients last week in the Oak Ridge Hospital: John Shoopman, Dept. A17N; Morris Bailis, Dept. A17N; Clyde E. McGregor, A13T; John R. Gordon, Dept. A16N; and Henry C. Collins, Dept. A13N.

MUCH TIMBER IN STATE

Towards the end of the 19th Century, timber which had hitherto been considered commercially worthless—gum, cypress, chestnut, elm and persimmon—came into demand. Tennessee, with more than 150 varieties of trees, has supplied the lumber market with these types of woods for many years.



PURCHASE OF A GIANT plant at Institute, W. Va., by Carbide and Carbon Chemicals Corp., from the War Assets Administration for \$9,350,000 has been announced by the Company. The plant, pictured above, was owned by the Government and designed, built and operated by Carbide during the war. It produced butadiene and styrene, required in the manufacture of synthetic rubber.

Plant Attendance Record Improves; Leaders Bunched

(Continued from Page 1)
P, Product Chemical. Both had an absentee mark of only .25 per cent. Dept. B12L was in fourth place the preceding week while Dept. M-12P jumped all the way from ninth place. In second place with an absentee mark of only .9 per cent was Dept. B12H, a Refining Division department that held the same position the week before. Third place was occupied by Dept. H12E, Process Development, which dropped from first place held the previous week.

The plant absentee mark for the week ending November 23 by departments follows:

MAJOR LEAGUE More than 50 Employees			
Dept.	Absent	Percentage	Standing
	11-23-47	11-16-47	
B13L	0.25	1	4
M12P	0.25	1	9
B12H	0.9	2	2
H12E	1.0	3	1
A12G	2.2	4	6
A14J	2.7	5	12
H12L	2.8	6	8
B12C	2.96	7	13
A16N	2.97	8	5
A14N	3.4	9	3
A12M	4.3	10	11
A17N	4.37	11	15
A12W	4.42	12	7
H12D	5.1	13	14
B12L	5.5	14	16
A13N	5.6	15	10
A12S	7.7	16	17

Group absentee percentage was 3.2 per cent, 0.1 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees			
Dept.	Absent	Percentage	Standing
	11-23-47	11-16-47	
A12T	0.0	1	1
A15N	0.0	1	2
B12A	0.0	1	5
A12D	1.2	2	3
A13S	1.3	3	4
A12N	1.5	4	1
A12R	1.6	5	4
A12L	2.4	6	10
A13T	3.2	7	6
A12A	4.2	8	11
B13C	4.6	9	8
M12S	6.4	10	7
A19N	7.1	11	9

Group absentee percentage was 2.8 per cent, 0.3 per cent lower than the preceding week.

'Big Jim' Refuses To Go 'High-Hat'

Hearing that Gov. James E. (Big Jim) Folsom, was taking naps on bare floors or even sidewalks after strenuous speeches, the Mobile Register offered the six-foot, eight-inch tall governor a folding cot for his siestas.

However, the governor declined the gift and said of his relaxing habits:

"I did it all during my campaign and I don't see any use of going high-hat now."



Four births were reported by Y-12 employees at the Oak Ridge Hospital last week. The parents were Mr. and Mrs. Paul Stewart Drury, boy, November 20; Mr. and Mrs. Julius Joseph Holtzkecht, girl, November 24; Mr. and Mrs. Robert Lee Mills, girl, November 24; Mr. and Mrs. Randall Barton Amos, son, November 25.

Christmas Party For Children Set By Oak Ridge Theaters

All Oak Ridge school children will be the invited guests of the city theatres at their annual Christmas party to be staged this year on Monday, December 22, at the Grove Theater, it was announced by George B. Odum, general manager of the Oak Ridge theatres.

In order to accommodate a number of children expected to exceed the 1,900 who attended last year, two showings of the entertainment program for that day have been arranged, the first at 9:30 a.m. and the second at 11:30 a.m. Featuring each two-hour showing will be a one-act skit by a cast selected from the Children's Theater.

The one-act play is titled "Pickaniny's Christmas" and will be directed by Mrs. James White Allen and with the character parts being played by Bob Greene, Joan Ellen Jamison, Barbara Whitaker, Suzanne and Diana Capehart.

Following the playlet, the movies will be shown. Free tickets for the theatre party will be distributed at the Oak Ridge schools and by the Boy and Girl Scouts.

Doorn Dutch Seek To Bar Germans

The Dutch have had enough of Germans.

The city of Doorn, Holland, where the former Kaiser of Germany found refuge after World War I and lived in exile from 1918 to 1941, has passed a motion against return or admission of any Germans to their city.

The motion was taken in view of efforts of former Crown Prince Wilhelm of Hohenzollern to get back the estate of his father.

Y-12 Security Program Aimed At Unfriendly Competitors

(Continued from Page 1)
be used for military use be closely guarded.

Information of this nature has been, and still is, desperately sought by "have-not" nations and there is no reason to believe that any of their activities to achieve this goal have been curtailed.

Espionage takes many forms. In addition to the glamorous portrayals of spy activities in fiction that follows each war, the unguarded statement or document, the spoken reference to on-the-job activities, the revelation of classified information to persons not authorized to have such information are valuable sources of information to an unfriendly nation bent on espionage. Remember it is the employee who feels that he has little or no information that can strike a serious blow to the defense of the nation by the careless dissemination of the information which he thinks he does not have.

This Is The New Army Mister Jones

This story may be hard for wartime GIs to believe—but it happened, according to recent news dispatches.

In Avalon, Va., Mrs. Almeda C. Hundley thought it would be nice if her son, Sgt. James Hundley, in a Japanese army camp, had a cake for his 21st birthday. She wrote the Army and asked how about it.

Later she got a letter from the sergeant reporting the Army had provided him with a triple-decker chocolate cake with 21 candles and all the trimmings.

Automobile Safety Tests Open Today

A 45-day period for the inspection of Oak Ridge motor vehicles starts today, it was announced by the city Department of Public Safety. During that time all local motorists covered by area vehicle regulations will be required to pass the safety lane tests.

Test hours announced are Tuesdays through Fridays from 11:15 a.m. until 8 p.m., with a shutdown lunch period from 2:30 p.m. to 3:15 p.m. Saturday hours are from 8:15 a.m. until 5 p.m., with a shutdown from 12 noon until 12:45 p.m. No inspection hours are scheduled for Sundays and Mondays.

Ferrochromium Makes Motors Bright With 'Stainless Steel'

If Charlie's swanky new car gives you a wink next time it passes by — don't be the least bit surprised. For that wink is coming from an old friend of ours that's taking Charlie for the ride.

Yes, just tip your hat to that flashy brightwork in the bumpers and body trim, for it may well be carrying one of our most important

alloys—ferrochromium, a product of Electro Metallurgical Co., one of the units of Union Carbide and Carbon Corp. That's the alloy that makes steel "stainless" and automakers have put it to good use. Owners have said that even when their automobile body starts to groan and rattle because it's suffering from long and hard use, the stainless steel trim looks as good as when the car left the showroom years before.

Automakers Like Chromium Steel
Automakers like to use steel with chromium in it for car trim because it won't tarnish. It is strong and has a wear-resistant surface that can take hard knocks. There is about 25 pounds of stainless steel in the grill molding, headlamp, doors and body trim of many cars.

"Mighty pretty, of course, but how fast and how far will she go?" we are asked by practical-minded Joe. Take a look at what's hidden in the engine. There's chromium there, too, in valves, ignition cables, shafts, and bushings — places where parts must stand high temperatures.

Valves Must Be Tough

Tough little "jumping jacks" the valves of a car must be for they are continually opening and closing with the "heart beats" of the engine. Yes, valves and seats get a thousand or more terrific impacts every minute. It's quite a job for any metal, and Electro-met's tungsten alloys help valves resist these destructive forces for unbelievably long periods of time. For tungsten is a vital part of the Haynes Stellite alloys, which are made by another member of the Union Carbide family. These alloys are necessary in heavy-duty trucks and busses. Many valves and seats protected by Haynes Stellite alloys have run for more than 250,000 miles without any servicing whatsoever.

Let's strip a car down to "skeleton and muscles." What have we there? A lot of arms and legs that seem to twist and turn continuously. Here's a job for what the metallurgists call "engineering" steels — the kind that are used for such things as transmission gears, axels, pinions and piston pins and also part of the steering mechanisms. These parts usually have chromium in them so that they will be tough and have good resistance to wear and impact.

Manganese Is "Muscle Building"

About 125 different kinds of steel are used in the automobile of today, and most all of them con-

tain at least small amounts of manganese — another one of Electro-met's alloys that's widely travelled. It's the alloy steelmen use to make sure they will produce clean metal. Manganese also has the reputation of being a good "muscle builder." That's why it is found in automobile gears and shafts, as well as in the steel used for springs.

There's many a bump in the way of an automobile, so it certainly needs sturdy springs. Electro-met's silicon alloys are a vital part of today's fine spring materials that withstand millions of bumps in the road without breaking. Electro-met's vanadium and chromium alloys also often lend a hand, giving strength and durability to the leaf and coil springs on automobiles.

So actually beyond those huge piles of alloys that are shipped from Electro Metallurgical Company's plants lies a stream of automobiles — stretching farther than our eyes can see.

Christmas Seal Campaign Support In Ridge Urged

The need this year for greater response to the sale of Christmas Seals which started yesterday was revealed by the recent mass X-Ray survey conducted here, it was stated by the Oak Ridge Tuberculosis Association, as 104 tubercular cases were reported discovered.

The present campaign to raise funds with which to underwrite the cost of providing proper care for tubercular patients in Oak Ridge consists of direct-mail solicitations and the establishing of booths where the Christmas Seals may be purchased. Special Health Bonds also will be offered to those who wish to contribute sums varying from \$5 to \$100.

Members of the association's Christmas Seal campaign are Elinor Champion, chairman of the sales committee; Mrs. Henry Ruley, general chairman for the campaign; Allan V. Hodge, chairman of bond sales; Mrs. Frederick Fink, captain of booths; Mrs. E. A. Reed, chairman of bangle pin sales; Mrs. William Egert, chairman of dormitory mail.

Keep your eyes and ears open for the presence of unauthorized persons when handling or speaking of restricted data.



HERE'S GLEAMING BEAUTY that will last the life of an automobile—trim or solid stainless steel and Electro-met's chromium that makes steel stainless.

**CARBIDE AND CARBON
CHEMICALS CORPORATION**
P. O. Box P.
Y-12 Area
Oak Ridge, Tenn.
(RETURN POSTAGE GUARANTEED)

Sec. 562, P.L.&R.
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SPORT NEWS IN Y-12

Sons Of Y-12 Employees Star On Gridiron As Cats Of Oak Ridge Turn In Excellent Record For 1947

The Oak Ridge High School Wildcat's varsity pigskin totin' sons of Y-12 employees played starring roles in the Oak Ridge sensational 6 to 0 triumph over the powerful and much favored Chattanooga Central eleven in the season's finale here November 22, it was learned from Coach Ben Martin and his staff of assistants.

Jimmy Hopkins, known as "BB", the son of C. B. Hopkins, played a bang-up game in the Wildcat backfield and twice in the fourth quarter his ball carrying thrusts through the Purple Pounder's line threatened the enemy goal. "BB's" first plunge took the ball nine yards to the one-yard line where the gain was nullified when the Wildcats fumbled on the next try.

But young Hopkins' next nine-yarder set up the Wildcat's winning play when he toted the pigskin to the Pounder five-yard stripe from where Jim Hurt took it over.

Arthur Stewart, son of A. L. Stewart of Y-12, at wingback probably covered the most ground in defensive play, according to Wildcat coaches who said he was the fastest man on the squad. Arthur intercepted a Purple Pounder pass on his own ten-yard stripe and grabbed a number of Wildcat passes for substantial gains.

Koons Intercepts Important Pass

Outside of the Wildcat scoring play, the next most thrilling moment was that leaping pass inter-

ception in the closing minutes of play by backfield ace, Bill Koons, son of E. W. Koons, of Y-12, on his own 20-yard line. Buddy Duncan, son of E. C. Duncan of Y-12, played a whale of a game at tackle and few enemy gains were made through his position. Tommy Hamrick, Wildcat first-string center and son of Paschal Hamrick, missed action in the Oak Ridge-Chattanooga game because of an injury received in practice a few weeks ago.

Hamrick, Duncan, Koons and Stewart will have to be replaced next year as all four boys are seniors, but Hopkins is a junior and will be back to help lead the Wildcats to another good season.

D Area Bowlers In Deadlocks; Tied Leaders Are Deflated

Last Tuesday night's bowling in the D Area League served merely to put several more knots in the loop standings with the first and second positions tied and also the third and fourth spots deadlocked. Losses to the loop's top teams even gave encouragement to the seventh place Old Men as their present standing puts them within striking distance of the leaders.

Leaders Are Deflated

The two teams tied for first place were considerably deflated when the Calutrons dropped three to the Termites and the Overheads flopped a three-pointer to the Old Men. The Termites advanced into a third-place tie with the Scotties as a result of dumping the Cals. The Scotties' ascendancy came at the expense of the Wood Choppers on a four-point clean sweep of the series.

George Studenbroeker of the Strikers rolled scratch games of 204, 181 and 163 for a 548 total which was individual high for the night. George also marked up a handicap single game of 239 and a 653 handicap series. Twitchell, of the Splinters, placed second with scratch games of 202, 149, and 176. His single game score of 246 and 659 three-game series were highs for handicap scoring. The Splinter's games of 1,006, 978 and 1,024 gave them highest team total of 3,008.

Schedule for Tonight

Schedules for tonight's rolling in the D Area League at the Jefferson Alleys are the Termites versus Scotties; Calutrons versus Wood Choppers; Splinters versus Old Men.

League standing follows:

Team	W	L	Team	W	L
Calutrons	25	19	Strikers	23	21
Overheads	25	19	Splinters	22	22
Termites	24	20	Old Men	21	23
Scotties	24	20	W. Choppers	12	32

Busters Batter Bums In Plant Loop Playoff

The Bottom Busters took the Bums for a one-way ride in the first session of a triple playoff series for first round honors in the Plant Bowling League by capturing the first and third games of a three-game series by scores of 976 to 945 and 1,003 to 914. The Bums spurted strongly in the second canto and downed the Bottom Busters by the score of 1,053 to 938. The series totals were 2,917 for the Bottom Busters and 2,912 for the Bums. The Bottom Busters will meet the Rippers sometime this week in the final playoff series as the Rippers drew a bye. The Bums, Rippers and Bottom Busters finished the first round all tied with 22 won and 11 lost.

Bruce Whitaker, of the Bottom Busters, rolled scratch games of 183, 202 and 190 for a 575 three-game total and a 668 aggregate for handicap series scoring. Charlie Beckett, of the Bums, chalked up a 495 scratch series total and a 609 handicap total.

Hostilities in the Plant Bowling League were suspended last Thursday night because of the Thanksgiving holiday and will be resumed this Thursday night at the Grove Alleys.

Ikey, fearful that his son, Abie, would forget his religion in the big city of New York, wired: "Yom Kippur starts tomorrow."

Absent minded, Abie dictated the following reply: "Put a hundred on the nose for me."

PLANT CAGERS OPEN PLAY THURSDAY

Y-12 Varsity Keglers Pile Up New Records

Y-12 varsity bowlers took off their wraps last Tuesday night at the Central Alleys and set the City Industrial League on fire in establishing a number of season's records while incidentally banishing Roane-Anderson by a score of 2,690 to 2,367. This also was the first time Y-12 captured all three games this season.

Series, Single Records Set

The 2,690 mark set a new record for a team three-game series total and the 931 chalked up in the second game was a record high for a single game team aggregate. Y-12 swept the first canto 863 to Roane-Anderson's 663, won the second by a wide margin of 931 to 845 and added the third on a 896 tally to 859 for their opponents.

In setting up the season's series record, Ernie Cobble contributed a lion's share in putting together games of 192, 211 and 212 for a 615 total which gave him the season's individual record for a three-game series. Other collaborating scoring was L. H. Barker 147, 191 and 127; Bruce Whitaker 173, 201 and 783; Nick "Capital B" Zaben-co 176, 167 and 193; and Roy Roberts 175, 158 and 181.

Y-12 Meets AEC Tonight

Y-12, now in third place, can tie for the second spot position with the AEC outfit by taking that team for three straight tonight at the Central Alleys.

The Y-12 women bowlers will rest on their laurels until Thursday night and their position in a tie for first place in the Women's City Bowling League remained the same as last Thursday night games were postponed on account of Thanksgiving.

League standing follows:

Team	W	L	Team	W	L
K-25	24	9	R-A	16	17
AEC	23	10	Fairchild	8	25
Y-12	20	13	Skidmores	8	25

Girl's Cage Drills Time Is Changed

A more convenient practice schedule for the Y-12 girl's varsity basketball squad has been arranged by Coach Bill Davis and Arnold Tiller, Y-12 Recreation Supervisor. The Y-12 feminine cagers will now work out at 8:30 o'clock Monday and Wednesday nights at the Jefferson Junior High School gymnasium instead of the Scarboro School gymnasium.

SNAKE BUSINESS RATTLING

George Sinclair, a North Dakota man, has developed a lucrative business in catching and selling rattlesnakes. He uses a length of gas pipe with a coiled loop to catch the reptiles, the bag sometimes being 100 a day. He sells live snakes to a Florida concern where venom is extracted. Others are sold to skin collectors and tanners.



ALTHOUGH RATHER DEEPLY SUBMERGED in the second division of the D Area League, the Woodchoppers bowling team, above, in that loop keep chopping away at the pins every week and are dangerous competitors at all times. Left to right are Ellis O'Rourke, Harold Potter, Dick Lord, John Horton, Ed Witt and Capt. Jim Owens. The "mascot" in the background is unidentified.

Third And Final Boxing Show Set By Youngsters For Friday Night

The Oak Ridge Boxing Academy will hold its third and final public squared-ring show of the season Friday night at the high school gymnasium, it is announced by Nelson Bethea, of Y-12 the school's dean and chief of the eight-man training staff. The first match in the 20-bout card will get underway at 8 o'clock in this show which

Women's Cage League Opens December 15

The Women's CEW Basketball League will launch its 1947-48 season on Monday night, December 15, it is announced by Carl Yearwood, director of city-wide basketball activities for the City Recreation Department. Complete schedule for the first half games will be announced in the near future. Four sextets, Y-12, K-25, Roane-Anderson and Monsanto will compose the league.

The Y-12 Recreation Department and basketball coach Bill Davis have arranged a new and more convenient practice session schedule for the plant's varsity cagers which calls for Monday and Wednesday night workouts at the Jefferson Junior High School new gymnasium, starting at 8:30 o'clock. Coach Davis has sounded a last-minute call for more players as more cagers are needed for scrimmages. The team can very handily use several girls of greater height to match the ball players now trying out for the other three outfits.

Bachelor skunk, visiting newly married skunks: "Why the extra bed back here?"

Newlyweds: "Oh, we're expecting a little stinker in the spring."

Doubleheader Is Set For Scarboro Floor

The Y-12 Men's Basketball League will make its 1947 debut Thursday night at the Scarboro School gymnasium with a doubleheader on tap. The Rough House Five will take on the Kilroys at 7 o'clock and the Guards will meet the Time Keepers at 8:30 o'clock.

Friday night more double-barreled hardwood court action is in store at Scarboro as the warmed-up Time Keepers will clash with the Bldg. 9212 aggregation at 7 o'clock, and the rampant Kilroys will tangle with the Guards at 8:30 o'clock. Next Monday night's schedule calls for the transferring of hostilities to the Fairview School gymnasium where the Guards will joust the Rough House Five at 7 o'clock and the Kilroys and the Bldg. 9212 quintet will engage each other at 8:30 o'clock.

The league schedule calls for a season composed of first and second half play to be followed by a playoff series between the winner of the first and second half for the loop championship. In the organizational meeting held last Wednesday afternoon at the Recreation Office, team managers all agreed on a conduct of fair play and good sportsmanship that would eliminate protest games and make establishing of a protest board unnecessary.

Wildcat Grid Card Sets Seven 1948 Home Tilts

The Oak Ridge High School Athletic Department, in announcing that contracts have already been signed for the 1948 football schedule of six home games and three away, has lined up the Wildcat's most ambitious slate and one which gives the team but a single "breather" game. That contest is the Lake City-Oak Ridge game scheduled here on September 17, and it may be as tough as some of the rest. As soon as an open October date is filled the schedule will be completed and will offer seven Wildcat home games.

The Oak Ridge High School victory over Chattanooga Central gave the Wildcats six wins, one tie game and three losses for the season, a much better record than the 1946 results.

The 1948 Wildcat football schedule follows:

September 17—Lake City, here.
September 24—Maryville, there.
October 1—Clinton, here.
October 8—open, here.
October 15—Harriman, here.
October 22—Greenville, here.
October 29, Rule, Knoxville, here.
November 5—Morristown, here.
November 12—Sullivan (Kingsport) there.
November 19—Chattanooga Central, there.

Among the featured bouts re-matching Y-12 youngsters against K25 boys are the following probabilities:

50-pound class: Fellar Rucker, Y-12, versus Ted Hays, K-25. Ed Bagley, Y-12, versus Larry Ad-

kisson, K-25.

55-pound class: Donnie Lavers, Y-12 versus George Dykes, K-25.

70-pound class: David Reuff, Y-12, versus Skipper Collins, K-25.

85-pound class: Nelson Rucker, Y-12, versus R. G. Williams, K-25.

Sons of other Y-12 employees who will appear on the Friday

night bill are Jay Whitcomb, Richard Tucker and Tom Tibbatts.

trial, there.